Camp Minden M6 and CBI Potential Technology Screening Information

Name of Technology	Please describe how your technology or	Has your technology/ process been tested or	Can your technology/ process be implemented	What is the Destruction Efficiency of your	What is the nature and composition of	What is the highest throughout you have
recritiology	process works and	used with M6, CBI,	on-site at Camp Minden?	process? What is the	any emissions? How	achieved you're your
Vendor Contact	the equipment	propellants, or similar	How long would it take to	nature of the	are emissions	process? What is the
Information	involved. Is this	materials? What permits	mobilize, install and be	residues/wastes that will	Monitored, captured,	reasonable maximum
mormation	existing equipment	or approvals do you	ready to treat material?	remain, and what	tested, treated and	daily capacity/
Website or link to	or does it need to be	have in hand? Describe	Would it require any extra	processes/disposal/	ultimately disposed?	throughput you believe
additional	fabricated? Is a	actual uses, volumes	handling or preparation of	recycling will be used	What potential	you could achieve at
information	donor explosive	treated, and results of	the M6 and CBI? What are	for this residue/ waste?	hazards to workers,	Camp Minden? What is
	required?	tests or applications for	the key space and	What percent volume	other on-base	the reliability and
		M6 like materials.	logistical requirements for	reduction (or addition) is	personnel and nearby	maintenance
			your installation on-site	achieved?	residents should be	requirements of your
			including storage of		considered and how	equipment? Is it subject
			residues/wastes?		are they managed?	to weather?
Industrial	Destroys waste by	Yes, tested with a wide	Yes, we already have a	Destruction efficiency	Refer to previous	It is expected that the
Supercritical	using supercritical	range of propellants.	unit at Camp Minden and	for energetics is	column.	maximum throughput
Water Oxidation	water - that is,		ran a variety of	99.9999%.	0 551 1 00	is 8 lbs/min for the
(iSCWO)	water at the critical	We have a permit at	energetics tests using	1 : t d - 600 t t	Gas effluent – CO	3gpm unit and 26.6
Labor E a Ulio	point of 3400 psi	Camp Minden for the	the system.	Liquid effluent – water	and O2 monitoring.	Ibs/min for the 10gpm
John Follin	and 1200F. At	existing iSCWO	Eviatina valtation	Gaseous effluent – 02,	Limited afficement in	unit. Real throughput
General	these conditions,	system at Camp Minden.	Existing unit plus another 3gpm unit would	N2, CO2, and H20.	Liquid effluent is first sent to a	could be a little lower based on the M6
Atomics San Diego, CA	organic and other chemicals are	Williaen.	take three months before	No pollution	holding tank for	condition.
858 455 4405	completely	Units have been	operation – this is to get	abatement or	chemical evaluation	Condition.
030 433 4403	destroyed.	approved for	the slurry feed system	secondary treatment	(Ph, Conductivity,	With the two 3gpm
www.ga.com	ucsiroyeu.	energetics destruction	ready.	system needed for	Total organic	units and one 10 gpm
www.ga.com	This is existing	with 1000+ hrs of	roddy.	iSCWO – water can be	carbon, etc.) Once	unit in full production
	technology that is	successful tests.	Other units would be	discharged into the	cleared, liquid is	in a 24 hour operating
	used to destroy		delivered soon after.	wastewater treatment	discharged into	period, this is a
	energetics and a	Actual uses involve	have submitted a multi-	system at Minden.	Minden wastewater	maximum of 61,344 lbs
	variety of chemical	SCWO for the	equipment multi-phase		treatment system.	per day.
	wastes.	destruction of agent	schedule that illustrates	There is a complete	·	
		and energetics	what could be done.	reduction of solid M6	Potential hazards -	Reliability is greater
	One unit exists at	(BGCAPP) and		propellant. No solids	handling propellant.	than 90% - the key is
	Camp Minden;	destruction of red	A slurry system would	will remain after	GA utilizes a	having spare parts that
	others can be	water in Korea.	have to be implemented	processing. The	company that	can be quickly
	shipped to the site.		to feed the M6 and CBI	iSCWO process will	specializes in	replaced along with an
	No dono		into the system.	generate 3 gpm of	identifying and	effective maintenance
	No donor		Variance colletters	water for the 3gpm	mitigating hazards	program.
	explosive is		Key space – existing	system and 10 gpm	to onsite workers	Cuotom inoide huildin
	required.		buildings at Camp Minden	water for the 10 gpm	and nearby	System inside building
			winden	system.	residents.	- weather no impact

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